

OEL-877-64

25 August 1964

MEMORANDUM FOR: Assistant Director for ELINT

SUBJECT : Task Status

1. On 17 August you assigned a number of tasks which you wished me to follow closely. The status of these is indicated in turn.

Establishment of Contract on System XVI. No action is proposed until procurement of additional U-2 aircraft is resolved.

Establishment of Contract on System XVII. No vehicle has been designated for flight test of antennas. Designation of particular vehicle(s) to be modified is required to proceed - AF or U2L's are considered most probable candidates, and concurrence of OEL and OSA are being obtained. Contractual commitment can be achieved ten days thereafter.

25X1A Analysis Equipment for [redacted] Study continuing.

25X1A Systems Design Review on [redacted] Agenda. Scheduled to start 14 September 1964.

25X1A Establishment of [redacted] Synthesis Procedure. Selection of a contractor and budgeting are the next steps. The objectives and approach to this work are given in the attached memorandum, Attachment A.

Rework on Personnel Charts Showing Work Assignments. The assignments have been up-dated to this date and are attached, Attachment B.

25X1A Action to Insure 20% Expenditure of 700 funds by 15 October. [redacted] is preparing a program for this fiscal year and expects to complete it by the first week in September.

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25X1A Consideration of Decision of Fly-Away Equipment. I have
discussed tentative requirements for such equipment with you and
[redacted] and have had two detailed design meetings with [redacted]
I expect to complete design recommendations this week.

25X1A

Publication or Cancellation of [redacted] Report. The [redacted]
report will be published. [redacted] will complete a redraft the first
week of September.

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Preparation of Paper on Systems Approach by [redacted] to their
Development Problems. A draft will be available for review 15 September.

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[redacted]
DAD/S&D

Attachments A and B

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ATTACHMENT A

[REDACTED] SYNTHESIS AND ANALYSIS PROCEDURE

25X1A

1. The need for a consistent analysis of the effectiveness of the [REDACTED] equipment has been recognized. Further, it has been determined that this work can best be accomplished by a staff function in S&D since system analysis is needed for a number of programs in S&D. The recruitment of a capable scientist to direct this work is in process and he should be aboard in two to four weeks. Although it was initially believed that the staffing for the analysis could be accomplished by augmenting S&D and through the loan of appropriate personnel from SAS, OSA, OSI, it is now clear that the augmentation is not feasible and that assistance from other organizations will be minimum due to existing heavy workloads. Accordingly, it is now planned to obtain contract assistance for the performance of this analysis; [REDACTED]

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2. Under the direction of the S&D Systems Synthesis and Analysis Officer the recommended objectives and procedures of the contractor

for [REDACTED] are as follows:

OBJECTIVES

a. Determine the relative effectiveness of single items of equipment and groups of equipment in providing protection from various defense complexes.

b. Formulate costs comparisons of the items and groups of equipment versus the complexes.

c. Refine the estimates to obtain absolute confidence and probability estimates of the protection obtained.

PROCEDURE

a. The Agency will provide data on defenses and aircraft equipment to the contractor and define the several desirable typical defense complexes.

b. The contractor will first propose both a general program of study and specific studies with particular attention to the output format in which the results will be reported. Contractor shall

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submit ground rules and assumptions for CIA approval including the weighting factors used in the analysis.

c. Using the information given, the contractor will proceed to define the threat. This will provide a "read-back" of the data provided under a above. Estimates will be made of the susceptibility of the defenses to various kinds of countermeasures, and plots will be prepared showing the effects, e.g. noise power at the defense site versus miss distance, etc.

d. Based on the descriptions provided in a above, individual equipment items will be analyzed in terms of the reduction of defense capability and improvement of aircraft survivability.

e. Analysis shall be extended to include groups of equipment following the procedure of c above.

f. The influence of tactics of survivability will be introduced to the analysis.

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:

DAD/S&D

EXTENSION

NO.

08C 879-64

DATE

25 Aug 64

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

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AD/OEL

26/8 *Jay*

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FORWARDED

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C/ASD

9/12 PROB

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AD/OEL

28 SEP 1964 *flw*

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DAD/S&D

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(2) for info and return